

IntelliGenetics

FastDB - Fast Pairwise Comparison of Sequences Release 5.4

Results file us-10-006-130a-129.res made by tport on Fri 20 Feb 104 15:36:33-PST.

Query sequence being compared:US-10-006-130A-129 (1-2213)
 Number of sequences searched: 409
 Number of scores above cutoff: 409

Results of the initial comparison of US-10-006-130A-129 (1-2213) with:
 File : 6525174.seq
 File : US9374046A.seq

1000-

500-
100-
50-
10-
*
N U M B E R O F S E Q U E N C E S

5

SCORE	0	192	385	577	769	962	1154	1346	1539	1731
STDEV	0	1	2	3	4	5	6	7	8	9

PARAMETERS

	Unitary	K-tuple
Similarity matrix	1	Joining penalty
Mismatch penalty	5.00	Window size
Gap penalty	0.33	
Gap size penalty		
Cutoff score	1	
Randomization group	0	

SEARCH STATISTICS

Scores:	Mean	Median	Standard Deviation
	48	42	89.04

Times:	CPU	Total Elapsed
	00:00:01.07	00:00:02.00

Number of residues:	498643
Number of sequences searched:	409

Number of scores above cutoff: 409

The scores below are sorted by initial score. Significance is calculated based on initial score.

A 100% identical sequence to the query sequence was not found.

The list of best scores is:

Sequence Name	Description	Length	Score	Init. Opt.	Sig.	Frame
	*** 18 standard deviations above mean ***					
1. US-09-374-046A-3	Sequence 3, Application U	3508	1731	2150	18.90	0
	*** 10 standard deviations above mean ***					
2. US-09-205-258-20	Sequence 200, Application	1707	998	1638	10.67	0

1. US-10-006-130A-129 (1-2213)
US-09-374-046A-3 Sequence 3, Application US/09374046A

Initial Score	=	1731	Optimized Score	=	2150	Significance	=	18.90
Residue Identity	=	95%	Matches	=	2204	Mismatches	=	9
Gaps	=	106	Conservative Substitutions	=			=	0

X 10 20 30 40 50 60 70
GAGCGAACATGGCAGCGCGTTGGCGGTTTGGTGTCTCTGTGACCAATGGTGGTGGCGGTCTCATCGTTT
GAGCGAACATGGCAGCGCGTTGGCGGTTTGGTGTCTCTGTGACCAATGGTGGTGGCGGTCTCATCGTTT
X 10 20 30 40 50 60 70

GGGACGTTCCCTCAGCCTCTGCCCAAAGAGGAGATGCTTATCTGAAAGGTTAGTCAGCTGATGG
80 90 100 110 120 130 140

150 160 170 180 190 200 210
AATGGACTAACAAAAGACCTGTATAAAGATGAATGGAGACAAGTCCGTCGCCTTGTGAAGCCCCACCGA
AATGGACTAACAAAAGACCTGTATAAAGATGAATGGAGACAAGTCCGTCGCCTTGTGAAGCCCCACCGA

220 230 240 250 260 270 280
GAAATTACTCGGTTATCGTCACTGCTCTCCAACTGCATAGACAGTGTGCTTTCGTTGCAAGCAAGCTG
GAAATTACTCGGTTATCGTCACTGCTCTCCAACTGCATAGACAGTGTGCTTTCGTTGCAAGCAAGCTG

290 300 310 320 330 340 350 360
ATGAAGAATTCAGATCCTGGCAAACTCCTGGCGATATCCTCAGTGCAATTCACCAACAGGATATTTTGGCA
ATGAAGAATTCAGATCCTGGCAAACTCCTGGCGATATCCTCAGTGCAATTCACCAACAGGATATTTTGGCA

TGGTGGATTTTGATGAAGGCTCTGATGTATTTCAGATGCTAAACATGAATTCAGTCCAACTTTTCATCAACT
 370 380 390 400 410 420 430
 TGGTGGATTTTGATGAAGGCTCTGATGTATTTCAGATGCTAAACATGAATTCAGTCCAACTTTTCATCAACT
 370 380 390 400 410 420 430

TTCTCGAAAGGGAAACCCAAACGGGGTGATACATATGAGTTACAGTGGCGGGTTTTTCAGCTGAGCAGAGA
TTCTCGAAAGGGAAACCCAAACGGGGTGATACATATGAGTTACAGTGGCGGGTTTTTCAGCTGAGCAGAGA
TTCTCGAAAGGGAAACCCAAACGGGGTGATACATATGAGTTACAGTGGCGGGTTTTTCAGCTGAGCAGAGA

510 520 530 540 550 560 570
TTGCCCGGTGGATCGCCGACAGAACTGATCAATATTAGAGTGATTAGACCCCAAAATTATGCTGGTCCCC
TTGCCCGGTGGATCGCCGACAGAACTGATCAATATTAGAGTGATTAGACCCCAAAATTATGCTGGTCCCC
TTGCCCGGTGGATCGCCGACAGAACTGATCAATATTAGAGTGATTAGACCCCAAAATTATGCTGGTCCCC

1440 1450 1460 1470 1480 1490 1500 1510
CTACATTAGGAATTCATTCTTAGCTTCTTTCATCTTTGTGTGGATGTATATCTTTACGCATCTTTCCCTTTGG
|||||
CTACATTAGGAATTCATTCTTAGCTTCTTTCATCTTTGTGTGGATGTATATCTTTACGCATCTTTCCCTTTGG
1450 1460 1470 1480 1490 1500 1510
1520 1530 1540 1550 1560 1570 1580
AGTAGAGAAATTATGTGTCTCATGTGCTCTCTGAAATGGAAACCAATCTCTTCAGAGACACAGCTTAGCCCC
AGTAGAGAAATTATGTGTCTCATGTGCTCTCTGAAATGGAAACCAATCTCTTCAGAGACACAGCTTAGCCCC
1520 1530 1540 1550 1560 1570 1580
1590 1600 1610 1620 1630
TCAGAGAGACAGTTGTTTCTCTCTCTCTCTGATATTTCTTACTGCGCT
TCAGAGAGACAGTTGTTTCTCTCTCTCTGATATTTCTTACTGAAATACAGTCTGCTATGATTGTTTT
1590 1600 1610 1620 1630 1640 1650
-----CAGCCTTGAGTGATAGAGTGAGACTCTGTCTCAAAAAAAGATATCTCTAAATACAGGATTAATAT
ACTGCGCTCAGCCTTGAGTGATAGAGTGAGACTCTGTCTCAAAAAAAGATATCTCTAAATACAGGATTAATAT
1730 1740 1750 1760 1770 1780 1790 1800
1700 1710 1720 1730 1740 1750 1760 1770
TTCTGCTTGAGTAGGTGTTAACTACCTTGATTTAGAAAGATTCAGATTCATCTCCTTAGTTTCTC
TTCTGCTTGAGTAGGTGTTAACTACCTTGATTTAGAAAGATTCAGATTCATCTCCTTAGTTTCTC
1810 1820 1830 1840 1850 1860 1870 1880
1770 1780 1790 1800 1810 1820 1830 1840
TTTTAAGGTGACCCATCTGTGATAAAAAATATAGCTTAGTCTAAATCAGTGTAACTTATACATGCGCTTAA
TTTTAAGGTGACCCATCTGTGATAAAAAATATAGCTTAGTCTAAATCAGTGTAACTTATACATGCGCTTAA
1880 1890 1900 1910 1920 1930 1940
1850 1860 1870 1880 1890 1900 1910
ATGTTTCTACAAATTAGAGTTTGTCACTTATTCATTTGTACCTTAAGAGAAAAATAGGCTCAGTTAGAAAG
ATGTTTCTACAAATTAGAGTTTGTCACTTATTCATTTGTACCTTAAGAGAAAAATATGCTCAGTTAGAAAG
1950 1960 1970 1980 1990 2000 2010
1920 1930 1940 1950 1960 1970 1980
GACTCCCTGCGCAGGCGAGTACCTTACGCTGTAACTCTCAGCACTTTGGGAGGCAAGGCGAGCATCAC
GACTCCCTGCGCAGGCGAGTACCTTACGCTGTAACTCTCAGCACTTTGGGAGGCAAGGCGAGCATCAC
2020 2030 2040 2050 2060 2070 2080
1990 2000 2010 2020 2030 2040 2050
GAGGTCAGGAGTTCAGAGCCATCTGGCCCAACATGCTGAAACCCCGTCTCTACTAAAAATATAAAATTAG
GAGGTCAGGAGTTCAGAGCCATCTGGCCCAACATGCTGAAACCCCGTCTCTACTAAAAATATAAAATTAG
2090 2100 2110 2120 2130 2140 2150 2160 2170 2180 2190 2200 2210 2220 2230
2060 2070 2080 2090 2100 2110 2120
TGGGTGTGTGGCAGGAGCCTGTAATCCAGCTACACAGGAGGCTGAGGCAAGGAGATCACTTGAATCA-C
|||||
TGGGTGTGTGGCAGGAGCCTGTAATCCAGCTACACAGGAGGCTGAGGCAAGGAGATCACTTGAATCAAG
2170 2180 2190 2200 2210 2220 2230
2130 2140 2150 2160 2170 2180 2190
GAGATGGAGGTTTCAGTGAGCCGAGATCAGCCCACTGCACTCCAGCTGGCAACAGAGCGAG-ACTCCATCTC
|||||
GAGATGGAGGTTTCAGTGAGCCGAGATCACCCTGCACTCCAGCTGGCAACAGAGCGAGAAATTCATCT
2240 2250 2260 2270 2280 2290 2300
2310 2320 2330 2340 2350 2360 2370 2380 2390 2400 2410 2420 2430 2440 2450


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1570      1580      1590      1600      1610      1620      1630
GCACACGTCCTAGCCCTCAGCAAGACAGTTGTTTCTCCTCCTCTTGCATATTTCTACTGCGCTCCAGCCTG
|||||
GCACACGTCCTAGCCCTCAGCAAGACAGTTGTTTCTCCTCCTCTTGCATATTTCTACTGAAATACAG-TGC
1590      1600      1610      1620      1630      1640      1650

1640      1650      1660      1670      1680      1690 X      1700      1710
AGTCATAGAGTGAGACTCTGTCTCAAAAAAAGATATCTCTAAATACAGGATTATAAATTTCTGCTTGAGTATG
|||||
TGCTATGATGTTTTTTGTTGTTGTTTGGTGGATCAGYTACTGGGCTC
1660      1670      1680      1690      1700      1700 X

GTGTTAACTACCTTGTTATTAGAAAGATTTTC
1720      1730      1740

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